

STEREO MOC Status Report
Time Period: 2007:239 - 2007:245

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 241 during the track with DSS-26, the command state tripped to aborted at 14:19Z. At 14:47Z the MOC re-bound to the station and commanding was re-established. During the time of no commanding, some SECCHI commands failed to load. Following re-establishment of the command uplink, SECCHI completed their commanding.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. IMU 2 continues to be used nominally on the Ahead spacecraft. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Ahead was 7.3 Gbits during this week.
- No special events occurred during this reporting period.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 241 during the track with DSS-55, the station transmitter tripped off at 19:50Z. In re-establishing the uplink, telemetry was lost beginning at 19:55Z during the uplink sweep. This sweep during the SSR playback resulted in the loss of about 1 minute of SSR playback data. The transmitter tripped off again about an hour later resulting in another loss of SSR data when re-establishing the uplink (21:00Z).
- On day 242 during the track with DSS-55, the station transmitter tripped off at 18:05Z. A re-sweep of the uplink to re-establish command resulted in a loss of some SSR data.

- On day 243 during the track with DSS-55, the station transmitter tripped off at 19:23Z. This resulted in the stored command buffer dump not being completed at 19:55Z.
- On day 245 during the track with DSS-55, the station transmitter tripped off at 16:25Z. The command link was re-established by 16:40Z. Some SSR playback data was lost due to the uplink re-sweep used to establish the uplink.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Behind was 7.2 Gbits during this week.
- On day 240 during the track with DSS-55, IMPACT uploaded new SEP/SIT calibration tables.
- On day 244 during the track with DSS-34, it was indicated that autonomy rule 126 had executed at 05:45:27Z to disable G&C use of the Guide Telescope rates. SECCHI was notified as the most likely cause is a SECCHI reset. During the track with DSS-64 on the same day, SECCHI was re-configured and the G&C subsystem was re-configured to use the Guide Telescope at 20:15Z.